

### Abstract

A test strip includes a substrate and a bio-carbon circuit pattern formed of two circuits and printed on the substrate, the circuits each having a front probe end spaced from each other by a test sample accumulation space in the substrate and adapted to contact the liquid test sample being dropped from the top side or guided from one lateral side of the substrate and to produce a reacted signal after contact of the liquid test sample with an enzyme on the test strip, and then to transmit the reacted signal to the meter in which the test strip is inserted after contact of the front probe ends of the circuits with the applied liquid test sample.